

ATM Design Build
RFP Question Answer #4 – 02/24/2009

Q #	RFP Reference	Question	Date Received (MM/DD/YYYY)	Answer	Addendum Needed or Actual Addendum
1.	2.18.4.5.2.4.1	<p>The above referenced specification clauses all have some kind of influence when determining the size and layout of the LCS. When interpreting these, there are some discrepancies and we are requesting guidance regarding the intent of the specifications. In order to stay within the 6 feet square overall dimensions, it implies that the active display needs to be less than 6 feet (to allow for a border for contrast purposes).</p> <p>Sign width needs to accommodate 6 characters. We assume a reference character of 7 pixels high by 5 pixels wide with single pixel spacing between characters.</p> <p>If applied for 18” high characters, the width required exceeds the maximum sign dimensions specified. If applied for 9” characters, the dimensions are within the overall sign dimensions. Please confirm that the specifications refer to 9” characters when specifying the number of characters per line.</p>	04/22/2009	Correct, 6-9” characters are desired.	Addendum 6
2.	2.18.4.5.3.4.1	<p>The above referenced specification clauses all have some kind of influence when determining the size and layout of the SDMS. When interpreting these, there are some discrepancies and we are requesting guidance regarding the intent of the specifications. In order to stay within</p>	04/22/2009	The SDMS display requirements have been deleted.	Addendum 6

ATM Design Build
RFP Question Answer #4 – 02/24/2009

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		<p>the 7 feet, 2 inches square overall dimensions, it implies that the active display needs to be less than 7 feet, 2 inches (to allow for a border for contrast purposes).</p> <p>Sign width needs to accommodate 8 characters each 18" high. We assume a reference character of 7 pixels high by 5 pixels wide with single pixel spacing between characters. If applied for 18" high characters, the width required exceeds the maximum sign dimensions. Please advise an alternate character height to apply.</p> <p>Sign height needs to accommodate 4 lines of 18" characters. We assume a reference character of 7 pixels high by 5 pixels wide with two pixel spacing between lines. If applied for 18" high characters, the height required exceeds the maximum sign dimensions. Please advise an alternate character height to apply.</p>			
3.	2.18.4.5.3.4.1	The number of pixels is specified as 52 x 52. Signs vary in configuration and might not fit this requirement exactly. Did you mean minimum number of pixels, same as specified for the LCS?	04/22/2009	Yes, this should be the minimum number of pixels.	Addendum 6
4.	2.9	Will you be looking for the proposers to include communications/outreach in their work or will all that happen in-house with WSDOT staff?	04/23/2009	Please see Section 2.9.4 and 2.9.5 for the division of outreach/communications work between WSDOT and the Design-Builder.	N/A
5.	2.22.4.1.3.4	For Westbound I-90 Mainline, what	04/23/2009	No closures will be allowed for these times in this section of	Addendum 6

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		are the allowable closure hours for “Sat Night to Sun Morning” for “HOV and 2 adjacent lanes” closed and “3 GP lanes closed”? The table is blank for these lines.		I-90. Please see Addendum 6 for a revised table.	
6.	ITP 3.3.6.1 & RFP 2.22	Is there a maximum number of allowable closures permitted? Section 3.3.6.1 & .2 of the ITP indicate the Proposer shall list the total number of times each ramp will be closed and the number shall be less than or equal to the number allowed by Section 2.22 of the Technical Requirements. The closure times are listed in 2.22 but there was no listing of the maximum number of closures allowed.	04/23/2009	See Q&A #3, Question #7 for a response to this question.	N/A
7.	2.18.4.5.1.4.1	When determining appropriate matrix size for Color matrix, requirements ask to provide 9” and 18” characters. It also asks for 1 line of 18” and 2 lines of 9” characters at a quantity of 6 characters per line. Due to 6 characters @ 18” and an assumed 7(h)x5(w) FONT ratio the estimated housing would require a width of 7 ft- 2inches at least, this exceeds the maximum 6 foot square sign requirement for LCS. Please clarify requirement involving the 2 character heights?	04/23/2009	It is assumed that the question is actually referring to Section 2.18.4.5.2.4.1. See Q&A #4, question #1 for a response to this question.	Addendum 6
8.	2.18.3.1.1.1	Page 2-18.16 line 41 indicates working models should follow the design workshop within 14 calendar days after the workshop. Is the intent of the design workshop to take place	04/23/2009	Pending	Pending

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		near the end of the design process?			
9	2.18.4.7.4 Page: 2.18-48	Should “mainline cable” be revised to “distribution cable” in reference to the 48-strand between the Tukwila Hub and the Dearborn FTC?	04/23/2009	Yes, this should be distribution cable.	Addendum 6
10	2.18.4.5.1.3	Please define intent of use for the extra slack in the cable provided for both the Ground Mount Cabinet and the display sign?	04/23/2009	The slack is in case a sign needs to be moved due to lane shifts or other issues, or in case the “cable” is actually fiber optic cable that might need to be respliced into the cabinet for some reason. See Addendum 6 for revised lengths of required slack for each type of sign.	Addendum 6
11	2.18.3.1.1.1	Page 2-18.4 line 6 references a section of the spec that has not been found to exist. (2.18.3.2.4.5.1) Is this meant to be 2.18.3.2.4.4.1?	04/23/2009	Yes.	Addendum 6
12	2.18.4.1	Section 2.18.4.1 ITS General Requirements (pg. 2.18-30) requires construction of maintenance access pullouts "unless any of the following apply", which includes "The site is barrier or wall protected, such that alteration of the barrier or wall would be required to construct the pullout." Does this apply to locations with existing pre-cast concrete barrier?	04/23/2009	Yes. See new text relating to construction of maintenance pullout when existing barrier is involved.	Addendum 6
13	2.11.4.4	Section 2.11.4.4 Roadside Barrier Selection (pg. 2.11-2) specifies single-slope concrete barrier for all pre-cast and cast-in-place barrier incorporated into the Project. In many locations, the existing barrier is Standard WSDOT Concrete Barrier Type 2 (Jersey Face). The I-90 Architectural Design Standards require the Jersey Face for all concrete barrier and bridge rail.	04/23/2009	Text has been added to require that barrier selection on I-90 follow the I-90 architectural standards.	Addendum 6

ATM Design Build
RFP Question Answer #4 – 02/24/2009

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14	2.11.4.4	Section 2.18.4.1 General Requirements notes that maintenance pullouts will not be required where "The site is barrier or wall protected, such that alteration of the barrier or wall would be required to construct the pullout." Did WSDOT intend this provision to apply only to isolated new runs of concrete barrier, not to locations where the existing barrier will need to be removed and replaced/matched for construction access, or for a pullout?	04/23/2009	Where new barrier is placed, it should be placed to accommodate required pullouts. See new text relating to construction of maintenance pullout when existing barrier is involved.	Addendum 6
15	2.19.1	A sign is located at LL Station 427+00 westbound I-90 with the legend "ENTERING VARIABLE SPEED ZONE MAX SPEED 60 MPH." The first ATM gantry proposed for this project is located east of this sign near LL Station 512+00. Will a new static sign need to be located on I-90 westbound prior to the ATM implementation area?	04/23/2009	<p>This static sign should be removed, as it falls under the "related equipment" section of the following provision, found in Section 2.19.1.</p> <p>"The Design-Builder shall remove all existing variable speed limit signs and related equipment on I-90. See Section 2.18 for additional requirements regarding variable speed limit sign and equipment removal."</p> <p>A new static sign will need to be installed at the prior to the ATM implementation area.</p>	N/A
16	2.18.4.1.1	Section 2.18.4.1.1 Vehicle Detection specifies a new data station at I-5 Station 2030+00, which is not shown on the plans (see Sheet TS-22) or schematics. Please clarify which is correct.	04/23/2009	Due to a station equation on TS-25, station 2030+00 falls on Sheet TS-27. The detection referred to is mounted on Sign Bridge 5-13.	N/A
17	ITP 1.3.8.2 3.3.7 B	It is unclear whether the DBE performance plan required as Appendix A "DBE Performance Plan" of the proposal is a plan of how to meet the DBE goal after award or if the requirement is for actual "good	04/23/2009	Both efforts during the proposal phase and planned efforts during contract execution should be covered in the Plan required by the ITP. In addition, the selected DB team will be required to provide ongoing reporting regarding DBE efforts, as shown in Section 1-07.11(1).1.	N/A

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		faith" efforts performed and documented during the bidding phase as outlined on page ITP-5 lines 6-43 and ITP-6 lines 1-10 is required in Appendix A "DBE Performance Plan". Please clarify the expectations.			
18	2.18	The list of components in 2.18.4.7.5 refers to "CL-UPC fiber connectors". Other sections refer to FC\UPC. Please clarify which is intended.	04/23/2009	Pending	Pending
19	2.18.5.11.1.1	Sign Display, This part of the VMS spec requires a 27 x 105 matrix with 18" characters. When comparing Pg 2.18 – 69 lines 27 thru 34 , Sign Housing, the dimensions described here in the spec do not align with the previous matrix size.	04/23/2009	Pending.	Pending
20	Appendix M1, Section 2.18	Plan sheet TSD-14 shows -48SMFO extending to the Tukwila Hub. Please advise if all ITS cabinets (not shown in the plans) from TS-1 to the Tukwila Hub must be incorporated into the WSDOT network via this 1-48SMFO. Also please advise if new video/voice/data equipment is required at these cabinets.	4/24/2009	Yes this 48SMFO fiber should extend to all existing cabinets, and yes, additional equipment in each existing cabinet will be required. Please see RFP Sections 2.18.4.7.4, 2.18.4.7.5, 2.18.4.8 and 2.18.4.9 for further details. Please also see the answer to Q&A #4, question #9.	N/A
21	Appendix M1	I do not see any info on existing WSDOT structures plans in the RFP. Several of the signs need to be mounted to exiting WSDOT structures. In order to estimate work effort we need these plans.	04/24/2009	Please see plan sheets STD-01-02 in Appendix M1. As-builts, including structural as-builts, will be released with Addendum 6.	Addendum 6